

SHNEYDER, Yuriy Grigor'yevich, kand. tekhn. nauk; VAYNTRAUB, D.A.,
red.

[Surface quality and operating characteristics of parts of
machines and instruments; shorthand report of a lecture] Ka-
chestvo poverkhnosti i ekspluatatsionnye svoistva detalei
mashin i priborov; stenogramma lektsii. Leningrad, 1963.
(MIRA 17:5)

SMIRNOV-ALYAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKIY,
B.M., kand. tekhn.nauk, red.; VARKOVETSKAYA, A.I., red.izd-
va; CHFAS, M.A., red.izd-va; PETERSON, M.M., tekhn. red.

[Cold forging and sheet-metal work in the manufacture of
instruments] Kholodnaia shtampovka v priborostroenii. Izd.2.,
perer. i dop. Moskva, Mashgiz, 1963. 434 p. (MIRA 17:1)

SMIRNOV-ALYAYEV, G.A., prof., doktor tekhn. nauk; VAYNTRAUB, D.A.,
kand. tekhn.nauk; MAZO, S.G., inzh., retsenzent; TEPLITSKII,
B.M., retsenzent; SVERDLOV, M.I., kand. tekhn. nauk, red.;
VARKOVETSKAYA, A.I., red.izd-va; CHFAS, M.A., red. izd-va;
PETERSON, M.M., tekhn. red.

[Cold stamping in the manufacture of instruments] Kholodnaia
shtampovka v priborostroenii. Izd.2., perer. i dop. Mo-
skva, Mashgiz, 1963. 434 p. (MIRA 16:11)
(Instrument manufacture) (Forging)
(Sheet-metal work)

VAYNTRAUB, David Abramovich; LISITSYN, V.D., red.; TELYASHOV,
R.Kh., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Bending dies with hinged die blocks] Gibochnye shtampy s
sharnirnymi matritsami. Leningrad, 1963. 20 p. (Lenin-
gradskii dom nauchno-tekhnicheskoi propagandy. Otmen pere-
dovym opytom. Seriya: Goriachaia i kholodnia obrabotka me-
tallov davleniem, no.3) (MIRA 16:12)
(Dies (Metalworking))

KADILIN, Valeriy Pavlovich, inzh.; MIT'KIN, Arkadiy Nikolayevich, inzh.;
VAYNTRAUB, D.A., red.; FREGER, D.P., red.izd-va; GVIRTS, V.L.,
tekhn. red.

[Practice of the Research Institute of the Automobile Industry
and of the Likhachev Automobile Plant in cold extrusion of
steel parts] Opyt NIITavtoproma i Avtomobil'nogo zavoda im.
I.A.Likhacheva po kholodnomu vydavlivaniyu stal'nykh detalei.
Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi
propagandy. Obmen peredovym opytom. Seriya: Kovka i shtampovka,
no.1) (MIRA 16:5)

(Extrusion (Metals))

BOBRYNIN, Boris Nikolayevich; STREL'TSOV, Konstantin Nikolayevich;
ROMANOVSKIY, V.P., kand. tekhn.nauk, red.; VAYNTRAUB, D.A.,
kand. tekhn. nauk, red.; LEYKINA, T.L., red.izd-va;
BARDINA, A.A., tekhn. red.

[Stamping of sheet plastics] Shtampovka listovykh plastmass.
Pod obshchei red. V.P.Romanovskogo. Moskva, Mashgiz, 1962.
76 p. (Bibliotekha shtampovshchika, no.8) (MIRA 15:11)
(Plastics--Molding)

VAYNTRAUB, D.A.

Press shaping of parts in dies. Av.prom. 26 no.8:37-41 Ag '57.
(MIRA 15:4)

(Dies (Metalworking))

FOTEYEV, Nikolay Konstantinovich, kand. tekhn. nauk; VAYNTRAUB, D.A.,
red.; FREGER, D.P., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Use of hard alloy dies]Ekspluatatsiia tverdosplavnykh shtam-
pov; obzor. Leningrad, 1962. 62 p. (MIRA 15:9)
(Dies (Metalworking))

YUVACHEVA, N.Ya.; IVANOVA, I.V.; FREGER, D.P., red.izd-va; VAYNTRAUB, D.A.,
kand.tekhn.nauk, red.

[Cold extrusion; a bibliography] Kholodnoe vydavlivanie; bib-
liograficheskii ukazatel' literatury. Pod red. D.A.Vain-
trauba. Leningrad, Leningr. dom nauchno-tekhn.propagandy,
1962. 25 p. (MIRA 15:8)

(Bibliography--Extrusion (Metals))

VAYNTRAUB, David Abramovich; KUZNETSOV, Dmitriy Petrovich; FILINA,
Irina Stepanovna; SHILOV, Viktor Stepanovich; TSUKKER, G.Ye.,
red.; FREGER, D.P., red.izd-va

[Cold extrusion; a review] Kholodnoe vydavliwanie; obzor. Le-
ningrad. (Leningradskii dom nauchno-tekhnicheskoi propagandy.
Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem)
No.2. 1961. 47 p. (MIRA 15:6)
(Extrusion (Metals))

VAYNTRAUB, David Abramovich; KUZNETSOV, Dmitriy Petrovich; FILINA,
Irina Stepanovna; SHILOV, Viktor Stepanovich; TSUKKER, G.Ye.,
red.; FREGER, D.P., red. izd-va

[Cold extrusion] Kholodnoe vydavlivanie; obzor. Leningrad.
No.1. 1961. 62 p. (MIRA 15:4)
(Extrusion (Metals))

VEDENEYEV, Nikolay Petrovich; VOLCHENKOV, Aleksandr Ivanovich;
NOVGORODOV, Aleksandr Stepanovich; ONIKUL, Ya.Ye., inzh.,
retsenzent; VAYNTRAUB, D.A., kand. tekhn. nauk, red.;
LEYKINA, T.L., red. izd-va; SPERANSKAYA, OV., tekhn. red.

[Hard-alloy engineering equipment; dies and press-molds]
Tverdospлавnaia tekhnologicheskaja osnastka; shtampy i press-
formy. Leningrad, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1961. 119 p. (MIRA 15:2)
(Dies (Metalworking)) (Metalwork)

VAYNTRAUB, D.A.

Improved design of the bending die. Mashinostroitel' no.7:
28-29 '61. (MIRA 14:7)
(Dies (Metalworking))

VAYNTRAUB, D.A.

"Precision stamping in the manufacture of instruments" by B.I.
Shishkov. Reviewed by D.A.Vaintraub. Prihorostroenie no.7:31-32
J1 '61. (MIRA 14:6)
(Forging) (Shishkov, B.I.)

VAYNTRAUB, D.A.

Cold three-dimensional stamping instead of machining by cutting.
Priborostroenie no.5:20 My '60. (MIRA 14:5)
(Metalwork)

PLEASE X BOOK EXPLOITATION 307/4672

Isopropyl sorbent reverse microretrol'no go polirodrazet' is opta perodorph
sorbent (Collection of Reserves in the Machine Building Industry; Practices
of Leading Plants) [Leningrad] Izdatstat, 1997. 248 p. 3,000 copies printed.

General Ed.: A.M. Kucher. Candidate of Technical Sciences Ed.: M.S. Chertova.
Tech. Ed.: I.M. Tikhonova.

PURPOSE: This collection of articles is intended for workmen and technical personnel at the machine-building industry.

CONCLUSIONS. The book examines principal trends in the utilization of unused production capacity of machine building plants and enterprises ways to realize these reserves. On the basis of examples drawn from the practice of the leading plants of the *Leningradskaya*, the authors show how to utilize this unused capacity by applying the following measures: improvement of the processability of constructional parts; replacement of technological machines with roll stamping; use of finished parts; replacement of mechanical machines with roll stamping; improvement of the efficiency of existing technological machines and introduction of new ones; and a comprehensive mechanization and automation of heavy metal. The problem of utilizing unused capacity in the construction of heavy metal is dealt with separately. No personalities are mentioned. There are no references.

Technique, Theory, and O. A. Struts: "Replacing Mechanical Wearing with Cold

Reduction of Cycle Time in Mechanical Machining

Casey, R. T. Practices of the Blanketrollery saved in Sterilizers (Machine-Tool Plant Sterilizer) in Reducing Expenditure of Set-Up Time 165

Regional Health, Economic Improvements and Innovations as Important Factors of United States Capacity

162 **Stygar, V.I. Advanced Technological Processes**

Practices of the Kirovsky Zavod (Kirov Plant) for Modernizing

Volatility, E.J. - Increased Production Capacity in Heavy Machinery Constructions 233

MEDNIYK, Bruno Ernestovich; BUSHS, Vol'demar Petrovich; SVERDLOV, M.I.,
kand.tekhn.nauk, retsenzent; VAYNTHAUB, D.A., kand.tekhn.nauk,
red.; VARKOVETSKAYA, A.I., red.izd-va; SPERANSKAYA, O.V.,
tekhn.red.

[Multiple position automatic forging machines] Mnogopozitsionnye
shtampovochnye avtomaty. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit.lit-ry, 1960. 47 p. (MIRA 13:7)
(Forging machinery) (Machinery, Automatic)

VAYNTRAUB, D.A.

Use of quick-hardening plastics for the manufacture and re-
pair of dies. Kuz.-shtam.proizv. 1 no.11:42-45 N '59.
(MIRA 13:3)

(Dies (Metalworking)) (Plastics)

VAYNTRAUB, D.A.

Simple method for determining dimensions of punching dies. Kuz.-
shtam.proizv. 1 no.1:42-43 Ja '59. (MIRA 12:10)
(Dies (Metalworking))

VAYNTRAUB, D.A.; PANOV, A.A.; FEDOROV, F.F.; YUVACHEVA, N.Ya.; YELAGINA,
T.A., tekhn.red.

[Press working of metals; annotated bibliography of publications
for 1957] Obrabotka metallov davleniem; annotirovannyi bibliogra-
ficheskiy spravochnik literatury za 1957 god. Leningrad. No.2.
[Die stamping] Kholodnaia.shtampovka. Pt.1. 1959. 99 p. Pt.2.
1959. 77 p. (MIRA 13:3)

1. Leningradskiy dom nauchno-tekhnicheskoy propagandy. Nauchno-
tekhnicheskaya biblioteka.
(Sheet-metal work)

VAYNTRAUB, D.A.

Simple method for shaping local projections in sheet-metal work.
Kuz.-shtan.proizv. 1 no.3:44-45 My '59. (MIRA 12:10)
(Sheet-metal work)

VAYNTRAUB, D.A., inzh.

Punch for making rubber washers. Mashinostroitel' no.10:25 0 '59.
(MIRA 13:2)

(Washers (Mechanical engineering))

VAYNTRAUB, D.A.

Making working parts of piercing and combination dies of 45 steel.
Kuz.-shtam. proizv. 1 no.9:40-42 S '59. (MIRA 12:12)
(Dies (Metalworking))

VAYNTRAUB, David Abramovich; CHERVOVA, M.S., red.; POL'SKAYA, R.G.,
tekhn.red.

[Principles of die stamping] Osnovy kholodnoi shtampovki.
Leningrad, Lenizdat, 1960. 218 p.

(MIRA 14:4)

(Sheet-metal work)

VAYNTRAUB, D.A.

Graphic method for calculating blanks for drawing. Mashinostroitel'
no.12:30 D '61. (MIRA 14:12)

(Drawing(Metalwork))

FROLOVA, N.I.; CHERKES, F.K.; VAYNTRAUB, E.A.; VORONINA, T.P.; MONASZON, R.I.;
SPASSKAYA, Z.N.; SUPRONYUK, A.K.

Authors' abstracts. Zhur.mikrobiol., epid. i immun. 42 no.2:141
F '65. (MIRA 18:6)

1. Sanitarno-epidemiologicheskaya stantsiya Kuybyshevskogo
rayona Moskvu.

L 43944-65 EWA(b)-2/EWA(j)/EWT(1) Pa-4 RML/JK

ACCESSION NR: AP5008022

S/0016/65/000/003/0143/0143

AUTHOR: Frolova, N. I.; Vayntraub, E. A.; Voronina, T. P.

30

ayon. Moscow during 1961-1963

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 1, 1964, pp. 1-5

TOPIC TAGS: epidemiology, Moscow, salmonella, bacteriologic culture, method, serologic test, gastroenteritis, food poisoning, antibiotic, levomycetin, streptomycin, biomyxin

ABSTRACT: The results of a microbiological study and serologic identification of 136 strains of salmonella isolated during 1961-1963

1. 1961-1963. The results of a microbiological study and serologic identification of 136 strains of salmonella isolated during 1961-1963 and 87 persons with a diagnosis of acute gastroenteritis or food poisoning. All isolated cultures displayed typical morphological and biochemical properties. Most of the salmonella strains belonged

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ACCESSION NR: AP5008022

serologic groups B (51.1%) or D (29%) with S. typhimurium (61.6%)
dominant in group B and S. typhi (92.3%) dominant in group D.
Sensitivity to ... levomycetin, streptomycin,
and ...

sensitive to levomycetin (88.4%). Orig. art. has: None.

ASSOCIATION: Sanitarно-эpidемиологическая станция Кухарь-Белогорск

SUBMITTED: 08Jan64

ENCL: 00

SUB CODE: L8

NR REF SOV: 000

OTHER: 000

Card 2/2

VAYNTRAUB, F.P.

Determination of microquantities of DDT in biological material
on the basis of Schachter and Haller's method with supplementary
chromatographic identification. Vop.pit 21 no.4:55-60 J1-Ag '62.
(MIRA 15:12)

1. Iz Moldavskogo filiala Vsesoyuznogo instituta zashchity
rasteniy, Kishinev.
(DDT (INSECTICIDE)) (CHROMATOGRAPHIC ANALYSIS)(FOOD--ANALYSIS)

STARETS, V.A., nauchnyy sotrudnik; VAYNTRAUB, P.F., nauchnyy sotrudnik

Control of codling moth. Zashch. rast. ot vred. i bol. 9 no.10:
18 '64 (MIRA 18:1)

1. Moldavskiy filial Vsesoyuznogo instituta zashchity rasteniy.

VAYNTRAUB, F.P.

Residual amounts of DDT in the food products of vegetable
origin. Vop. pit. 24 no. 6:12-17 N-D '65 (MIRA 19:1)

1. Moldavskiy filial Vsesoyuznogo instituta zashchity rasteniy,
Kishinev.

VAYNTRAUB, I.

Synthetic materials used in printing. MTO no.10:61 O '59.
(MIRA 13:2)

1.Predsedatel' pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva poligrafii i izdatel'stv.
(Moscow--Printing industry)

BOGORAD, A.I.; VAYNTREB, I.A.; ZIBERT, A.G.

Prevention of industrial toe injuries. Ortop., travm. i protez.
no.9:72-73 '62. (MIRA 17:11)

1. Iz khirurgicheskogo otdeleniya (zav. - Ye.A. Berestetskiy)
meditsinskoy sanitarnoy chasti Ural'skogo zavoda tyazhelogo
mashinostroyeniya (glavnyy vrach - L.D. Volnova).

SHUTOV, A.D.; VAYNTRAUB, I.

Use of the zone precipitation method for the separation of leguminous seed globulins. Ukr. biokhim. zhur. 37 no.2:177-181 '65.

(MIRA 18:6)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

VAYNTRAUB, I.A.; SHUTOV, A.D.

Globulins in the seeds of vetchling. Trudy po khim.prirod. soed.
no.5:49-52 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-
versiteta.

VAYNTRAUB, I.A.

N-terminal amino acids of the globulins in some pea species. Trudy
po khim.prirod. soed. no.5:15-18 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-
versiteta.

GOFMAN, Yu.Ya.; VAYNTRAUB, I.A.

Use of paper electrophoresis in testing the homogeneity of seed proteins. Biokhimiia 25 no.6:1049-1054 N-D '60. (MIRA 14:5)

1. Laboratory of Protein Chemistry, the State University, Kishinev.
(PAPER ELECTROPHORESIS) (LEGUMIN) (VICILIN)

VAYNTRAUB, I.A.

Continuous polarographic determination of dinitrophenyl amino acids. Biokhimiia 28 no.4:661-663 J1-Ag '63. (MIRA 18:3)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

VAYNTRAUB, I.A.; SHUTOV, A.D.

Chromatography of vetch seed proteins on DEAE-cellulose.
Biokhimiia 29 no.5:863-868 J1-Ag '64. (MIRA 18:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

VAYNTRAUB, I.A.

Isolation of the 2S-component of soybean globulin. Biokhimiia
30 no. 3:628-633 My-Je '65 (MIRA 19:1)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo
universiteta.

VAYNTRAUB, I.M., inzh.; GOBZA, R.N., inzh.; KATSNEL'SON, G.A., inzh.;
KRASILOV, G.I., inzh.; ORENTLIKHER, P.B., inzh.; ERLIKHMAN,
S.Ya., inzh.; VOLNYANSKIY, A.K., glav. red.; SOKOLOV, D.V.,
zam. glav.red.; TARAN, V.D., red.; SEREBRENNIKOV, S.N., red.;
MIKHAYLOV, K.A., red.; STAROVEROV, I.D., red.; VOLODIN,
V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SMIRNOV, L.I.,
inzh., nauchnyy red.; SKVORTSOVA, I.P., red. izd-va;
SHERSTNEVA, N.V., tekhn. red.

[Adjusting, control, and operation of industrial ventilation
systems]Naladka, regulirovka i ekspluatatsiia sistem pro-
myshlennoi ventiliatsii. Pod red. S.IA.Erlikhmana. Moskva,
Gosstroizdat, 1962. 555 p. (MIRA 15:9)

1. Russia (1917- R.S.F.S.R.)Glavnoye upravleniye sanitarno-
tekhnicheskogo montazha.
(Factories--Heating and ventilation)

VAYNTRAUB, I. M.

DOBROMYSLOV, N.S.; OSTROVSKIY, M.Ye.; VAYNTRAUB, I.M.

The Giprots clerestory windows. Rats.i izobr.predl.v stroi. no.73:30-35 '54.
(Factories--Lighting) (Windows) (MLRA 7:6)

KÚZNETSOV, V.A.; KLEVTSOVA, M.P.; ZAGAYNOVA, L.S.; VAYNTRAUB, L.S.;
KOROBOVA, T.A. (Sverdlovsk)

Contact differences of potential between Sn and Sn-Te
alloys, and electrocapillary phenomena on Sn-Te alloys.
Zhur.fiz.khim. 34 no.6:1345-1350 Je '60.

(MIRA 13:7)

1. Ural'skiy universitet im. A.M.Gor'kogo.

(Tin) (Tin-tellurium alloys)

(Electrocapillary phenomena) (Electromotive force)

VAYNTRAUB, I.A.; GOFMAN, Yu.Ya.

N-terminal amino acids in pea legumin and vicilin. Biokhimiia
26 no. 1:13-17 Ja-F '61. (MIRA 14:2)

1. The Laboratory of Protein Chemistry, State University,
Kishinev.

(AMINO ACIDS) (LEGUMIN) (VICILIN)

VAYN TRAUB, L. S.

81578

S/076/60/034/06/31/040
B015/B061

5.4600

AUTHORS:

Kuznetsov, V. A. Klevtsova, M. P., Zayaynova, L. S.,
Vayntraub, L. S. Korobova, T. A. (Sverdlovsk)

TITLE:

Investigation of Contact Potential Differences Between Sn and
Sn-Te Alloys and the Electrocapillary Phenomena on Sn-Te
Alloys 21

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 6,
pp. 1345-1350

TEXT: On account of his investigations of the electrocapillary phenomena on thallium amalgams (Ref. 1), A. N. Frumkin established that the difference in the potentials between the metals in the point of zero charges is similar to the differences in the contact potentials between the same metals in a vacuum. Experimental tests of this assumption were carried out several times as by S. V. Karpachev and A. G. Stromberg (Ref. 2), O. Chaltykian and M. Proskurnin (Ref. 3), and V. A. Smirnov and L. I. Antropov (Ref. 4); few reliable results were, however, obtained. In this case the above examinations were carried out for this reason, as it was

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Investigation of Contact Potential Differences Between Sn and Sn-Te Alloys and the Electro-capillary Phenomena on Sn-Te Alloys S/076/60/034/06/31/040 B015/B061

to be assumed that tellurium would be surface-active with respect to tin, and thus a large difference in contact potential between Sn and Sn-Te alloys can be detected at low tellurium concentrations. The measurements were carried out at 450°C and $\approx 10^{-5}$ torr in an apparatus (Fig. 1) similar to the one in Ref. 3, and a special ampule (Fig. 2) was used. The vacuum contained a BH-461M (VN-461M) preliminary vacuum pump, an MM-40A (MM-40A) diffusion pump, and a BT-2 (VT-2) thermocouple- and BM-3 (VI-3) ionization-vacuum gauge. Tin purified by zone melting from the Sverdlovskiy reaktivnyy zavod (Sverdlovsk Reagent Works) was used. The potential differences were determined by the method of the displacement of the diode characteristics. The diagrams obtained (Figs. 3, 4) of the differences in the contact potentials between Sn and Sn-Te alloys with 0.02 and 0.15 wt% Te show that the difference is 0.07 v or 0.15 v. The electrocapillary curves (Fig. 5) for Sn and Sn-Te alloys of the above concentration show that according to expectations, Te is surface-active with reference to Sn. The potentials of the zero charge are thus shifted to positive values, and the size of the shift is similar to the difference in the contact potentials between Sn and the above Sn-Te alloys

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Investigation of Contact Potential Differences Between Sn and Sn-Te Alloys and the Electrocapillary Phenomena on Sn-Te Alloys

S/076/60/034/06/31/040
B015/B061

(Table). Finally, Academician A. N. Frumkin is thanked for his advice, and the collaborator of the Institut elektrokhimii AN SSSR (Institute for Electrochemistry of the AS USSR) N. A. Shurmovskaya as well. A paper by M. V. Smirnov (Ref. 5) is referred to. There are 5 figures, 1 table, and 12 references: 11 Soviet and 1 American.

ASSOCIATION: Ural'skiy universitet im. A. M. Gor'kogo (Ural University imeni A. M. Gor'kiy)

SUBMITTED: October 10, 1958

Card 3/3

"PLETNEV, I.D.; TITKOV, V.A.; VAYNTROB, S.S.; TOROCHESNIKOVA, L.V.

New synthesis of dyes of the triazine series. Part 4: Dyes
for synthetic fibers. Zhur. org. khim, 1 no.11:2019-2022
N '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh
poluproduktov i krasiteley. Submitted December 26, 1964.

VAYNTRUB, P.M., kand.tekhn.nauk, dotsent

P.M.Vaintrub's reply to the remarks of A.I.Sobolev, A.S.Kasperovich,
and V.N.Stanishevskii. Izv.vys.ucheb.zav.; energ. 5 no.5:124-125
My '62. (MIRA 15:5)

(Electric circuits) (Electric networks)
(Sobolev, A.I.) (Kasperovich, A.S.) (Stanishevskii, V.N.)

VAYNTRUB, P. M.

PA 248T47

USSR/Electricity - Literature

May 52

"Review of V. N. Lutsyk's Book 'Repair of Electric Motors and Generators'," Docent P. M. Vayntrub, Cand Tech Sci

Prom Energet, No 5, pp 30-31

Lutsyk's book ("Remont elektrodvigatelye i generatortov," Mashgiz, Kiev-Moscow, 1951) is designed as aid to increase tech knowledge and promote introduction of modern techniques, intended for masters and qualified workers employed on repair and operation of elec generators, motors at elec repair shops

248T47

of machine-bldg plants. Lutsyk is criticized for careless approach to subject, book's editor for inadequate attention devoted to eliminating major errors.

248T47

VAYNTRUB, P.M., kand.tekhn.nauk, dotsent

Generalized interpretation of the fundamental relationships in
a tank circuit, Izv. vys. ucheb. zav.; energ. 4 no.8:28-
36 Ag '61. (MIRA 14:8)

1. Belorusskiy tekhnologicheskii institut imeni S.M. Kirova.
Predstavlena kafedroy energetiki.
(Electric networks)
(Oscillations)

PIROGOV, A.A.; LEVE, Ye.N.; KRASS, Ya.R.; BELICHENKO, G.I.; KOTIK, P.L.;
SIDORENKO, Yu.P.; ZIL'BERG, Ye.S.; DRYAPIK, Ye.P.; VAYNTRAUB, S.S.;
ZHIDKOV, V.A.; SHCHEDRINSKIY, L.I.; MOREV, G.P.

Prefabricated blocks of unfired magnesite-chromite brick.
Metallurg 9 no.4:23-24 Ap '64. (MIRA 17:9)

1. Ukrainskiy institut ogneuporov, Nikitovskiy dolomitovyy
kombinat i Kommunarskiy metallurgicheskiy zavod.

AFANAS'YEV, S.G., kand.tekhn.nauk; KHUDYAKOV, N.A., kand.tekhn.nauk;
VAYNTRAUB, S.S.

Open-hearth furnace of oxygen converter; concerning A.N.
Myrtsyomov's article published in "Stal'" no.1, 1961.
Stal' 21 no.8:695-698 Ag '61. (MIRA 14:9)

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metallurgii (for Afanas'yev). 2. Ural'skiy institut chernykh
metallov (for Khudyakov). 3. Alchevskiy metallurgicheskiy
zavod (for Vayntraub).

(Open-hearth furnaces)
(Converters)

VAYNTRUB, V.K.; BORODAY, I.K.; GAL'PERIN, F.I. [deceased]; GRIB, A.I.;
KALIKA, S.B.; KOLESNIK, I.V.; KRITSBERG, E.L.; KUPRIY, A.M.

Press molds for the hot vulcanization of rubber soles; Soviet
Certificate of Inventions No.141077. Kozh.-obuv.prom. 4
no.8:42 Ag '62. (MIRA 15:8)
(Vulcanization—Technological innovations)

KUPRIY, O.M.; SLOBODYAN, D.I.; VAYNTRUB, V.K.

New equipment for manufacturing welt insoles with synthetic
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(Kiev--Shoe industry--Equipment and supplies)

MILYAVSKIY, M.M., inzhener; VAYNTRUB, V.K., inzhener.

Belt conveyor system for the manufacture of men's model welt
footwear. Leg. prom. 15 no.11:35-40 N '55. (MLRA 9:2)
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VAYNTSVAYG, A.S., kand.tekhn.nauk

Effect of geographical conditions on the organization of
the construction industry and its supply bases. Prom.stroi. 37
no.12:13-15 D '59. (MIRA 13:4)
(Construction industry)
(Building materials industry)

GORBUSHIN, P.B.; GUREVICH, M.S.; NEBOL'SIN, I.S.; BUKSHTEYN, D.I.;
VAYNTSVAYG, A.S.; LAZAREVICH, S.K.; KARTSEV, Yu.V.; KONTOROVICH,
I.A.; KHLIBOVA, A.S.; TSIMBALYUK, A.F.; KUTSENOVA, A.A., red.
izd-va; NAUMOVA, G.D., tekhn.red.; TEMKINA, Ye.L., tekhn.red.

[Long-range planning for the expansion and location of sources
of supply of building materials and equipment for the construction
industry in economic administrative regions; basic regulations]
Perspektivnoe planirovanie razvitiia i razmeshcheniia material'no-
tekhnicheskoi bazy stroitel'stva v ekonomicheskikh administrativnykh
raionakh; osnovnye polozeniiia. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1960. 78 p. (MIRA 13:9)

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Kartsev). 3. Otdel ekonomiki i organizatsii Gosstroya SSSR (for
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(Building materials industry)

(Construction industry)

YAYNTSVAYG, A. S.

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156 '61. (MIRA 14:12)

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izd-vo, 1944. 99 p. (50-44429)

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PLOTNIKOV, N.N., professor; VAYNTSVAYG, G.Ye., redaktor; SENCHILO,
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[Mosquitoes and malaria] O komare i maliarii. Izd. 3-e, ispr.
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(Malarial fever--Prevention) (Mosquitoes)

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med.lit-ry, 1955. 23 p. (MLRA 9:1)
(Diet in disease)

ISAYEV, Pinkhus Lazarevich, kandidat meditsinskikh nauk; VAYNTSVEYG, G.Ye.,
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[Nutrition during liver diseases; advices to the sick] Pitaniye pri
bolezniakh pecheni; sovety bol'nomu, Moskva, Gos. izd-vo med. lit-
ry, 1955. 26 p. (MLRA 9:2)

(DIET IN DISEASE) (LIVER--DISEASES)

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GROMBAKH, Sergey Mikhaylovich, doktor meditsinskikh nauk;

VAYNTSVAYG, G.Ye., redaktor; YEVDOKIMOVA, Z.N., tekhnicheskii
~~redaktor~~

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lit-ry, 1955. 52 p. (MLRA 8:10)
(Children--Care and hygiene)

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[Diet in anemia] Kak pitat'sia pri malokrovii. Pod red. F.K.
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[Therapeutic gymnastics in gastro- intestinal diseases; advice
to patients] Lechebnaia gimanstika pri zheludochno-kishechnykh
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1956. 32 p. (MIRA 11:9)

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V.11801-2411/20-1/20-1
PERCHIKOVA, Galina Vasil'yevna, kandidat meditsinskikh nauk; VAYNTSVEYG,
G.Ye., redaktor; BUL'DYAYEV, N.A., tekhnicheskij redaktor

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(MLRA 10:10)

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SETHS, A. & WATSON, G.

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polymerization on experimental influenza infections in mice.
class. no. 6131-103. (IRA 100)

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A.I.; FOMINA, E.P.; BALEZINA, T.I.; FADEYEVA, L.L.; TORIYA, L.K.;
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Aretoxane and interferon in virus infections. Trudy TSIU 68:145-149
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Effect of bacterial polysaccharides on the growth of experimental
tumors. Antibiotiki 10 no.2:134-137 F '65.

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N.I., tekhn. red.

[Digestive disorders in schoolchildren] Rasstroistva pishche-
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(MIRA 15:2)

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KURITSKIY, Yelizar Isayevich; KRASNOVSKIY, Abram Adol'fovich; VAYNTSVAYG,
G.Ye., red.; ZUYEVA, N.K., tekhn. red.

[Industrial hygiene in gas welding and cutting] Gigiena truda gazosvarshchika i gazorezchika. Moskva, Medgiz, 1960. 30 p.

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LARIONOV, Leonid Fedorovich, prof.; VAYNTSVEYG, G.Ye., red.; LYUDKOVSKAYA,
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1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Larionov).
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"On the Cardinality of Networks Made Up of Functional Elements" (22 April 1960), to be published in DAN SSSR.

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VAYNTSVAYG, P.M.

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1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - professor M.A.Brener) Kazakhskogo meditsinskogo instituta.
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VAYNTRAUB, I.A.; SHUTOV, A.D.; KLIMENKO, V.G.

Vetch seed globuline. Biokhimiia 27 no.2:349-358 Mr-Apr '62.
(MIkA 15:8)

1. Laboratory of Protein Chemistry, State University, Kishinev.
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1. Laboratory of Protein Chemistry, the State University, Kishinev.
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VAYNTSVAYG, M.K.

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dop.1 ispr. Moskva, Gos. statisticheskoe izd-vo, 1953. 71 p.
(MLRA 7:2)

(Automobiles--Fuel consumption)

LIBERMAN, Ye.A.; VAYNTSVAYG, M.N.; TSOFINA, L.M.

Effect of a constant magnetic field on the excitation threshold of
an isolated frog nerve. Biofizika 4 no. 4:505-506 '59.

(MIRA 14:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(NERVES) (MAGNETIC FIELDS)

LIBERMAN, Ye.A.; TSOFINA, L.M.; VAYNTSVAYG, M.N.

Role of mono- and bivalent ions in the generation of the action potential. Biofizika 6 no. 1:45-51 /61. (MIRA 14:2)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(IONS) (ELECTROPHYSIOLOGY)

16.8000(1121,1132,1344)

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S/020/61/139/002/005/017
B104/B205

AUTHOR: Vayntsvayg, M. N.

TITLE: Power of a circuit of functional components

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 139, no. 2, 1961, 320-323

TEXT: By way of introduction, the author briefly describes the synthesis of control systems which is of particular significance in cybernetics. The author considers a circuit, S , of functional components $\mathcal{A}_i$, which appertain to a set $\mathcal{A}$. $\mathcal{A}_i$ realize corresponding functions $f_i(x_1, \dots, x_k)$ of algebraic logic. The system of these functions $\{f_i\}$ is assumed to be complete. A number $e_i(\sigma_1, \dots, \sigma_n) = e_i f_i(\sigma_1, \dots, \sigma_k)$ is assigned to each component $\mathcal{A}_i$ and to the set of states $(\sigma_1, \dots, \sigma_n)$ of its inputs. e_i are positive constants. A circuit, S , on the base $\mathcal{A}$ is investigated. A function $\varphi_{ij}(\sigma_1, \dots, \sigma_n)$ of the input states is realized at the output of

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Power of a circuit of functional...

every α_{ij} (j-th component of i-th type). Thus a number $e_{ij}(\sigma_1, \dots, \sigma_n)$ is assigned to the component α_{ij} and to the set $(\sigma_1, \dots, \sigma_n)$. The notation $E_{\alpha}(S, \sigma_1, \dots, \sigma_n) = \sum_{ij} e_{ij}(\sigma_1, \dots, \sigma_n)$ is introduced, and the numbers $E_{\alpha}(S) = \frac{1}{2^n} \sum_{(\sigma_1, \dots, \sigma_n)} E_{\alpha}(S, \sigma_1, \dots, \sigma_n)$ and $E_{\alpha}^*(S) = \max E_{\alpha}(S, \sigma_1, \dots, \sigma_n)$ are defined as indices of the simplicity of the circuit. According to their significance, these numbers may be defined, e.g., as the mean and the maximum power of the circuit S. The following functions are defined: $E_{\alpha}(f) = \min_S E_{\alpha}(S)$, $E_{\alpha}^*(f) = \max_S E_{\alpha}^*(S)$; $E_{\alpha}(n) = \max_S E_{\alpha}(f)$, $E_{\alpha}^*(n) = \max_S E_{\alpha}^*(f)$. Since all e_i are finite and thus do not influence the order of the functions $E_{\alpha}(n)$ and $E_{\alpha}^*(n)$ e_i may be set equal to 1. Thus, the index for the simplicity of circuit S is determined by its number of excited components. It is evident that

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$E_{\mathcal{A}}(n) \leq E_{\mathcal{A}}^*(n) \leq L_{\mathcal{A}}(n)$, where $L_{\mathcal{A}}(n)$ is the least number for the case where any function $f(x_1, \dots, x_n)$ of algebraic logic of n arguments can be realized by a circuit S over $\mathcal{A}$, in which the components do not outnumber $L_{\mathcal{A}}(n)$. Next, five theorems and two lemmas are established and proved on the basis of the foregoing definitions: Theorem 1: $E_{\mathcal{A}}^*(n) \leq 2^{n/n}$ holds for any base $\mathcal{A}$. Theorem 2: For any finite base $\mathcal{A}$ one finds that constant C which depends on this base. Hence, one obtains $Cn \leq E_{\mathcal{A}}^*(n)$. Theorem 3: As there exists a finite base $\mathcal{A}$, $E_{\mathcal{A}}^*(n) < Cn$, where C is a positive constant. Lemma 1: There exists a multipole S' over $\mathcal{A}$ with n inputs and 2^n outputs, which realizes all conjunctions of the form $x_1^{c_1}, \dots, x_n^{c_n}$, and for which $E_{\mathcal{A}}^*(S') < 2n$ holds. Lemma 2: S' has μ outputs and realizes a system of different constants $A_1, A_2, \dots, A_{\mu}$ ($A_{i_1} = x_1^{c_1}, \dots, x_n^{c_n}$). Then, there exists a circuit S'' with μ inputs and one output in such a

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form that a circuit S realizing $\bigvee_{i=1}^{\mu} A_i$ will be obtained when the outputs of S' are combined with the inputs of S'' . Here $E_{\mathcal{A}}(S) \leq E_{\mathcal{A}}(S') + \lceil \log_2 \mu \rceil$.

Theorem 4: There exists a finite base $\mathcal{A}$ in such a form that $E_{\mathcal{A}}(n) \geq C 2^n/n$ holds, where C is a positive constant. Theorem 5: For a base $\mathcal{A} = \{\mathcal{A}_0, \mathcal{A}_1\}$, where $\mathcal{A}_0$ realizes the disjunction $x \vee y$ and $\mathcal{A}_1$ realizes the negation $\bar{x}$, one finds $\sqrt{n} 2^{n/2} \geq E_{\mathcal{A}}(n) \geq E_{\mathcal{A}_0}(n) \geq 2^{n/2}$. O. B. Lupanov (Radiofizika, 1, no. 1, 120 (1958) and I. I. Zhegalkin (Matem. sborn., 35, nos. 3-4, 511, (1928)) are mentioned. There are 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc. The two references to English-language publications read as follows: C. E. Shannon, Bell. Syst. Techn. J., 28, no. 1 (1949); D. E. Muller, Trans. I. R. E., EC-5, no. 1, 15 (1956).

ASSOCIATION: Institut biologicheskoy fiziki Akademii nauk SSSR (Institute of Biological Physics of the Academy of Sciences USSR)

PRESENTED: August 10, 1960, by A. I. Berg, Academician

SUBMITTED: August 5, 1960

Card 4/4

KIM, G.F., otv.red.; VAYNTSVAYG, N.K., red.; LEZIN, V.V., red.;
SAMSONOV, G.Ye., red.; TYAGAY, G.D., red.; SHABSHINA P.I.,
red.; ANGORA, T.M., red.izd-vs; GAMAZZOV, K.A., red.izd-vs;
TSVETKOVA, S.V., tekhn.red.

[Southern Korea; economic and political conditions from 1945
through 1958] Iuzhnaia Koreia; ekonomicheskoe i politicheskoe
polozhenie, 1945-1958 gg. Moskva, Izd-vo vostochnoi lit-ry,
1959. 270 p. (MIRA 13:2)

1. Akademiya nauk SSSR. Institut vostokovedeniya.
(Korea, South--Economic conditions)
(Korea, South--Politics and government)

VAYNTSVAIG, P.M.; ZUDIN, V.S.(Chelyabinsk)

Preventing posttransfusion shock from heterogenous blood by
simultaneous epinephrine injection. Arkh.pat.17 no.2:69-70
Ap-Je '55. (MLRA 8:10)

1. Iz kafedry patologicheskoy fiziologii (zav.prof.R.A.
Dymshits) Chelyabinskogo meditsinskogo instituta (dir.prof.
G.D.Obrastsov)

(EPINEPHRINE, therapeutic use,

shock prev. in transfusion of heterogenous blood)

(BLOOD TRANSFUSION, complications,

shock prev. epinephrine in transfusion in heterogenous
blood)

(SHOCK,

post-transfusion, prev. with epinephrine in transfusion
of heterogenous blood)

VAYNTS VAYG, S. K.

USSR/Chemical Technology. Chemical Products and Their Application -- Fats and oils.
Waxes. Soap. Detergents. Flotation reagents, I-25

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6386

Author: Vayntsvayg, S. K.

Institution: None

Title: Extraction Department of the Georgiyevskiy Oil Plant

Original

Publication: Maslob.-zhir. prom-st', 1956, No 3, 15-16

Abstract: Description of the extraction department under construction at the Georgiyevskiy oil plant, for the processing of the oil filter cake of this plant and also of other oil expressing plants. Daily output of the department's 1st line is of 205 tons, recomputed on the basis of sunflower seed, and 410 tons for the 2nd line. Equipment provided for by the project is listed, in particular the department's equipment for pretreatment of the material prior to extraction. To provide cooling facilities a special fully automatic freon unit is included in the project. A floor plan and elevation layout of the proposed department, showing the location of the equipment, are included.

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VAYNTSVAYG, S.K.

RUBTSOV, V.K.; VAYNTSVAYG, S.K.; VOLCHEK, L.S.

Standard storages for oilseeds. Masl.-shir. prom. 22 no.7:
13-14 '56. (MIRA 9:12)

1. Giprosbir. (Oilseeds--Storage)

VAYNTSVEYG, S.K., inzh.; MEDVEDEV, A.K., inzh.

Ways of increasing the productive capacity of the plant.
Masl.-zhir.prom. 25 no.10:34-35 '59. (MIRA 13:2)

1. Gosudarstvennyy institut po proyektirovaniyu masloboynoy, zhirovoy, mylovarennoy, parfyumernoy i margarinovoy promyshlennosti (for Vayntsvayg). 2. Liskinskiy masloekstraktsionnyy zavod (for Medvedev).

(Liski--Oil industries)

VAYNU, E. Ya.

PHASE I BOOK EXPLOITATION

807/5486

137

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniyy v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribory i istochnikami radioaktivnykh izlucheniyy, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum Refining Industry) Moscow, Gostoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskii komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsin, Ya. M. Kolotyarkin, N.P. Syrkus and R.F. Romm; Executive Eds.: Ye. S. Levina and B. F. Titskaya; Tech. Ed.: E.A. Mukhina.

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Radioactive Isotopes (Cont.)

SOV/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

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Radioactive Isotopes (Cont.)

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TITLE: Standard radioactive thickness gage for measuring the thickness of coatings and sheet materials

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. Ismeritel'naya tekhnika, no. 7, 1962, 11, abstract 32.7.70. Collection "Radioakt. izotopy i yadern. izlucheniya v nar. kh.-ve SSSR", Moscow, Gostoptekhizdat, v. 1, 1961, 134-140

TEXT: The economic effectiveness of standard radioactive thickness gages for the routine production control of various sheet materials is stressed. It is shown that standardization of radioactive measuring instruments, apart from conventional advantages (improved mass production, reduced prime cost, interchangeability, etc.) permits the use of standard radioactive sources. The paper presents data on the following radioactive measuring instruments produced at the Tallin pilot plant for control and measuring instruments: 1) Noncontact weighing gage of the БИВ-1 (BIV-1) type for continuously measuring the weight of a coating applied to a fabric. The gage works on the compensation principle and is provided with two ionization chambers. The weight-measuring range for surface coatings varies from 200 to 800 g/m², and the accuracy is 2%. The gages work with a Tl²⁰⁴ source; 2) The noncontact gamma-thickness gage of the ИТУ-495 (ITU-495)

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type (and of its variant the ИТШ-496 (ITSh-496) type) is used for the continuous measurement of thickness of a moving steel strip during the rolling operation. The measuring range varies from 0.05 to 1 mm, the accuracy is $\pm 1.5\%$. The device works on the compensation principle. The electrometric stage is operated by d.c. frequency-modulated circuitry; 3) The beta-thickness gage of the БТП-2 (BTP-2) type is designed for the sampling control of surface coatings. The device permits the measurement of thickness of surface coatings on materials the atomic number of which markedly differs from the atomic number of the coated support. Maximum value of measured thickness is 65 mg/m²; 4) Universal radioactive thickness gage of the УРИТ-1 (URIT-1) type for sheet materials and coatings. The device works on the differential principle with automatic readjustment, for comparing the materials to be measured with a standard thickness. Description of the working principle is given and it is shown that by proper choice of the ionization chambers and radioactive sources it is possible to obtain a wide range of thickness measurements. There are 2 figures.

[Abstracter's note: Complete translation.]

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VAYNYUNSKIY, S.I.; LOZHKIN, N.Ya.

Let's fulfil the seven-year plan in five years; workers of the Pavlovsk Plant of Silicate Building Materials use all potentialities for increasing production. Stroi.mat. 6 no.1:5-7 Ja '60. (MIRA 13:5)

1. Glavnyy inzhener Pavlovskogo zavoda silikatnykh stroitel'nykh materialov (for Vaynyuskiy). 2. Nachal'nik proizvodstvenno-tekhnicheskogo otдела Pavlovskogo zavoda silikatnykh stroitel'nykh materialov for Lozhkin).
(Pavlovsk (Leningrad Province)--Building materials industry)